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ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: PROCESS FOR PRINTING SUBSTRATES ACCORDING TO THE INK-JET PRINTING METHOD

(57) Abstract: The present invention relates to an aqueous ink composition for the ink-jet printing method, which comprises a) metallic or non-metallic, inorganic platelet-shaped particles having an average particle diameter of at least 2 µm, b) a dispersant (dispersing agent) and c) a binder. The ink compositions according to the invention are able to yield prints having a metallic appearance or prints having a colour that changes according to the viewing angle ("flop effect").

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11189

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08L43/02 C09D11/00 C09D11/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 433 117 B1 (MA SHEAU-HWA ET AL) 13 August 2002 (2002-08-13) column 1, line 43 - column 2, line 36 column 6, line 16 - line 18 abstract; claims 1-15; example 1 -----	1-10
X	EP 1 195 410 A (SUMITOMO SEIKA CHEMICALS) 10 April 2002 (2002-04-10) column 1, line 16 - line 18 column 2, line 23 - line 32 column 5, line 37 - line 52 abstract; claim 1; examples 1-6 -----	1-10
X	US 2002/035173 A1 (MA SHEAU-HWA ET AL) 21 March 2002 (2002-03-21) page 1, paragraph 7 - paragraph 8 page 2, paragraph 13 - paragraph 19 abstract; claims 1-18; examples 1-7 ----- -/-	1-10



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents :

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"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

12 February 2004

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Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

International Application No  
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 822 238 A (DU PONT) 4 February 1998 (1998-02-04) page 2, line 42 - line 54 page 3, line 26 - line 49 abstract; claims 1-13; examples 1-7 -----	1-10
X	US 5 707 433 A (IKEMOTO ESTUO ET AL) 13 January 1998 (1998-01-13) column 1, line 45 - column 2, line 5 column 3, line 14 - line 23 abstract; claims 1-8; examples 1-8 -----	1-10
X	US 5 310 778 A (SHOR ARTHUR ET AL) 10 May 1994 (1994-05-10) column 2, line 23 - line 34 column 2, line 58 - column 3, line 21 column 3, line 34 - line 62 abstract; claims 1-3 -----	1-10

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP 03/11189

## Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1 - 10

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10

Aqueous ink composition comprising platelet-shaped particles.  
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2. claim: 11

Platelet-shaped aluminium particles.  
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## INTERNATIONAL SEARCH REPORT

International Application No

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